Subject Index—Volume 17

A

abdomen, lymph nodes, imaging of, lymphography vs CT, 433
abstracts, proceedings of 30th annual meeting of Association of University Radiologists, 430
acetabulum, CT measurements, 476
afterload stress, pulmonary blood volume response, 241
alcoholic pancreatitis, oral cholecystography in early phase, 629
Ames test, in mutagenic evaluation of radiographic contrast media, 183
angiocardiography, IV, digital image processing in, 216
angiography
  anatomic variations of coronary arteries supplying anterolateral aspect of left ventricle, 458
  coronary, calcium binding by radiopaque media, 501
  coronary artery disease, physiologic-angiographic correlates, 444
  digital intravenous, in evaluation of cardiopulmonary function, 362
  digital subtraction, quantitative in vivo comparison of contrast agents, 610
  investigation of transluminal angioplasty in rabbit atherosclerosis model, 470
  opacification-phase effects of contrast medium on left ventricle, 486
  renal, plus epinephrine-assisted venography (EAV), 583
  renal ablation using iodinated contrast agent, 479
  serial pervenous, in hepatic transplantation, 299
  superior mesenteric artery (SMA), 164
  timing and magnitude of postural effect on pulmonary blood flow distribution, 561
angioplasty, investigation of, in rabbit atherosclerosis model, 470
anticarcinoembryonic antigen, localization of, 350
aortic valve calcification, chest radiographic evaluation, 453
aortic valvular stenosis, chest roentgenographic evaluation, 453
arterial defects, experimental, detection of, single-view vs serial biplanar operative arteriography, 259
arterial portography, in portal hypertension during reactive hyperemia, 164
arterial stenosis, peripheral dilatation and, reactive hyperemia as indicator of, 77
arteriography
  coronary, *see* coronary arteriography
  effects of medial viscosity on hemodynamics in, 70
  single-view vs serial biplanar operative arteriography in detection of experimental arterial defects, 259
arteriosclerosis, rabbit model for investigation of transluminal angioplasty, 470
arteriovenous fistula, and arterial diameter, 265
artery(ies)
  coronary, 444, 458
  diameter of, relationship of pressure and flow to, 265
arthrography, in vitro effects of iodinated contrast media on growth of staphylococci, 305
Aspergillus fumigatus, cerebral mass in leukemic patient, 525
Auger electrons, 407
aversion conditioning (rat), in neurotoxicity evaluation of intrathecal contrast media, 101

B

bactericidal effect, of iodinated contrast media, 305
balloon occlusion, with transcatheter electrocoagulation, 171
Baye's equation, in preexamination prediction of radiographic findings, 310
bile duct, glucagon-enhanced opacification during IV cholangiography, 50
biliary obstruction, predicting the cause with sonographic fata, 316
biliary pressure measurement, for evaluation of catheter patency in internal biliary drainage catheters, 356
biliary tract disease, biliary pressure measurement in, 356
Bilopaque, *see* sodium tyropanoate
binary data analysis, to predict cause of biliary obstruction, 316
biplanar operative arteriography, in detection of experimental arterial defects, 259
blood-brain barrier, disruption following intracarotid mannitol and methylglucamine iothalamate, 276
blood echogenicity, 29
blood flow
  cerebral, scintigraphic mapping of, 206
  contrast media viscosity and, 70
  coronary, comparable effects of ionic and nonionic contrast media, 292
  effect on arterial diameter, 265
  in experimental acute renal failure, 41
  peripheral (femoral), comparative effects of ionic and nonionic contrast media, 292
  portal, during reactive hyperemia, 164
  pulmonary, timing and magnitude of postural effect on, 561
  renal, intrarenal backflow and, 593
  in reproducible canine model of nonocclusive mesenteric ischemia, 34
blood pressure, effect on arterial diameter, 265
blood volume, pulmonary
  correlation of equilibrium radionuclide and dye-dilution estimates, 233
  response to afterload in normals and in MI patients, 241
bone density
  before and after parathyroidectomy in primary hyperparathyroidism, 604
  photon scattering measurements, 20
brain scintigraphy
  emission CT in, 206
  through intact skull, ultrasonic system for, 463
breast cancer, noncalcified breast particles as possible markers, 119

C

C1-esterase inhibitor, in white blood cell–endothelium interactions, 189
calcifications, breast, 119
calcium, addition to contrast media for coronary arteriography, 66
calcium-binding, by radiopaque media, 501
cancer
  estimation of risk in population exposed to low-level radiation, 342
  larynx, 11
  localization of iodine-133 labeled goat and primate anticarcinoembryonic antigen antibodies, 350
  thyroid, thermal gradient, 607
cardiac failure, rapid development in 45-year-old man, 201
cardiac output, CT measurement, 550
cardiac tamponade, in reproducible canine model of nonocclusive mesenteric ischemia, 34
cardiopulmonary function, peak-to-peak pulmonary transit time determined by digital IV angiography vs standard dye-dilution, 362
cardiothoracic ratio, 139
  in evaluation of aortic stenosis, 453
cardiovascular system, *see also* cardiac; coronary; myocardial
  congestive heart failure, 241
  left ventricle: anterolateral free wall, anatomic variation of coronary arteries supplying, 458

opacification-phase effects of angiographic contrast medium on, 486
structure and function assessment, limited utility of plain chest film in, 139
wall thickness, in CT detection of myocardial dysfunction, 329
physiologic–angiographic correlates of coronary artery stenosis, 444
chest, bell-shaped, 6
chest radiography
accuracy in diagnosis of pulmonary embolism, 539
vs CT, in experimental (dog) pulmonary infarction, 224
directed vs free search for nodules, 152
evaluation of aortic stenosis, 453
interpretation with and without visual search, 145
limited utility of plain chest film in assessment of left ventricular structure and function, 139
in Potter's syndrome, 6
in sarcoidosis, 129
cholangiography, IV, glucagon enhancement of bile duct opacification during, 50
cholecystography, oral
in alcoholic pancreatitis, Telepaque vs Bilopaque, 629
iopanoic acid vs iopronic acid, 621
radiographic appearance of nonabsorbed (unconjugated) and conjugated sodium tyropanoate in bowel, 506
chromosomes
effects of contrast materials, 178
mutagenic effect of contrast media, 183
computerized fluoroscopy, 156
computerized image processing, 216
computerized tomography (CT)
brominated radiopaque liposomes as contrast agent for, 381
cerebral mass in leukemic patient, 525
vs chest radiography, in experimental (dog) pulmonary infarction, 224
comparison and evaluation of osmotic blood–brain barrier disruption following intracarotid mannitol and methylglucamine iothalamate, 276
Cushing's syndrome, 336
detection of regional myocardial dysfunction during ischemia, 329
determination of canine kidney and urine concentrations following IV administration of urographic contrast agents, 95
determination of renal and hepatic microvascular volumes in experimental acute renal failure, 41
dynamic, in contrast enhancement, 82
failure of iosulamide to enhance hepatic tumors in rats, 46
for imaging of abdominal and pelvic lymph nodes, 433
iodolipid contrast enhancement, 617
iosulamide meglumine hepatic enhancement, time-density evaluation, 90
larynx, 634
measurement of cardiac output, 550
medial acetabular wall measurement, 476
multiplanar reconstruction, 634
myocardial appearance after reversible and irreversible ischemic injury, 544
neck, 634
noninvasive quantitation of liver iron in dogs with hemochromatosis, 375
in ossification of laryngeal cartilage, 11
vs radiography, image aspects, 510
timing and magnitude of postural effect on pulmonary blood volume distribution, 561
uptake of iodinated contrast material by ischemically damaged myocardial cell, 61
congestive heart failure, pulmonary blood volume response to afterload stress, 241
contrast enhancement
brominated radiopaque liposomes, 381
CT vs radiography, 510
does glucagon enhance opacification of bile ducts during IV cholangiography, 50
dynamic CT scanning and mathematical model, 82
failure of iosulamide to enhance hepatic tumors in rats, 46
intravenous angiocardiography using digital image processing, 216
iodolipids, 617
contrast materials
brominated radiopaque liposomes, 381
calcium-enriched ioxaglate and diatrizoate for coronary arteriography, 66
comparative effects of ionic and nonionic agents on coronary and peripheral blood flow, 292
contrast enhancement, dynamic CT measurement and a mathematical model, 82
cytogenic effects, 178
failure of iosulamide to enhance hepatic tumors in rats, 46
glucagon enhancement of bile duct opacification in IV cholangiography, 50
iodinated
angiographic nephrectomy using, 479
in vitro effect on growth of staphylococci, 305
toxicity, 479
iodinated fat emulsions (iodolipid), 617
iosulamide meglumine as hepatic contrast agent for CT scanning, time-density evaluation, 90
low osmolality: effect on coronary hemodynamics, myocardial function and coronary sinus osmolality in normal and ischemic states, 284
for urography, 494
mutagenic evaluation, 183
nephrotoxicity, 538
neurotoxicity, evaluation by aversion conditioning in rats, 101
opacification-phase effects on left ventricular size and function, 486
for pervenous hepatic transplant angiography, 299
quantitative in vivo comparison by digital subtraction angiography, 610
radiopaque, calcium binding by, 501
uptake of iodinated contrast media by ischemically damaged myocardial cell, 61
urographic, *see* urographic contrast agents
viscosity of, hemodynamic effects in selective arteriography, 79
water-soluble, neurotoxic effects on rat hippocampus, 271
coronary arteriography
anatomic variations of coronary arteries supplying anterolateral aspect of left ventricle, 458
calcium-binding by radiopaque media, 501
calcium-enriched ioxaglate and diatrizoate for, 66
physiologic-angiographic correlates of coronary artery stenoses, 444
coronary artery
anatomy, 458
angiography, 458
stenosis, physiologic-angiographic correlates, 444
coronary sinus osmolality, effect of low osmolality contrast media in normal and ischemic states, 284
critical review—Reactions to contrast media. Testing the CNS hypothesis, A. F. Lalli, R. Greenstreet (Radiology 1981; 138:47-49), 422
currents in imaging, 111, 195, 425
Cushing's syndrome, CT in, 336
cyproterone acetate, protective action against renal vasospasm following testosterone and vasopressin administration in rats, 254

D

decision-making, disease prevalence and, 107
dextrose, intrathecal, for prevention of seizures after metrizamide myelography in dogs, 282
diatrizoate
calcium-enriched, for coronary arteriography, 66
cytogenetic effects, 178
digital angiocardiography, 216
digital image processing, in angiocardiography, 216
digital intravenous angiography, in evaluation of cardiopulmonary function, 362
digital subtraction angiography, quantitative in vivo comparison of 6 contrast agents, 610

dog
arteriography in, hemodynamic effects of media viscosity, 70
comparative effects of ionic and nonionic contrast media on coronary and peripheral blood flow, 292
comparison of evaluation of osmotic blood–brain barrier disruption following intrathecal mannitol and methylglucamine iothalamate, 276
coronary arteriography with calcium-enriched ioxaglate and diatrizoate, 66
CT appearance of myocardium after reversible and irreversible ischemic injury, 544
CT-determined kidney and urine iodine concentration following IV administration of urographic contrast agents, 95
detection of experimental arterial defects by portable and serial biplanar operative arteriography, 259
detection of regional myocardial dysfunction during ischemia with CT, 329
experimental pulmonary infarction, CT vs chest radiography, 224
experimental studies with indium-111-labeled platelets in pulmonary embolism, 367
glucagon-enhanced bile duct opacification during IV cholangiography, 50
improved arterial portography in portal hypertension during reactive mesenteric hyperemia, 164
intrathecal dextrose to prevent seizures after metrizamide myelography, 282
liver iron in hemochromatosis, dual-energy CT scanning, 375
peak-to-peak pulmonary transit time determined by digital IV angiography vs standard dye-dilution techniques, 362
physiologic-angiographic correlates of coronary artery stenoses in resting and intensely vasodilated states, 444
radionuclide measurement of differential GFR in urinary tract obstructions, 417
reactive hyperemia as indicator of peripheral vasodilatation associated with arterial stenoses, 77
relationship of pressure and flow to arterial diameter, 265
reproducible model of nonocclusive mesenteric ischemia, 34
time-density hepatic evaluation after iosulamide meglumine, 90
transcatheter electrocoagulation occlusion of arteries, 171
uptake of iodinated contrast media in myocardial infarction, 61
dual-energy CT, for quantitation of liver iron in dogs with hemochromatosis, 375
dye-dilution test
in estimation of pulmonary blood volume, 233
in evaluation of cardiopulmonary function, 362

E

echogenicity of blood, effect of plasma proteins and temperature, 29
embolization, malignant tumors, transcatheter microembolization with ferropolysaccharide, 573
emission computed tomography, brain imaging, 206
energy dispersive x-ray analysis (EDXA), uptake of iodinated contrast media in myocardial infarction, 61
energy dispersive x-ray microanalysis, breast "noncalcifications," 119
epileptogenicity, water-soluble contrast agents, 271
epinephrine-assisted venography (EAV), nephrotoxicity, 583
esophagus, peristaltic pressure complexes, 567
Evans' blue, in assessment of osmotic blood–brain barrier disruption, 276

F

ferropolysaccharide, transcatheter microembolization of tumors, 573
fractional vascular volume (FVV), 41

G

gallbladder
nonvisualization, 506
opacification and iodine concentration during oral cholecystography, iopanoic acid vs iopronic acid, 621
gallium-67, tumor and tissue distribution, effect of Fe^{3+} citrate on, 53, 386
glomerular filtration rate (GFR), in urinary tract obstruction, radionuclide measurement, 417
glucagon, enhancement of bile duct opacification during IV cholangiography, 50

H

hemochromatosis, liver iron in, dual-energy CT scanning, 375
hemodynamics
coronary, effect of low osmolality contrast media in normal and ischemic states, 284
effect of media viscosity on, in selective arteriography, 70
hip anatomy, medial acetabular wall, 476
hippocampus (rat), neurotoxicity of water-soluble contrast agents, 271
Hodgkin's disease, lymph node imaging, 436
Hoffman-Rigler sign, 453
hyperparathyroidism, bone density in, 604

I

ILO/UC classification of pneumoconioses, 129
image descriptors, 510
indicator dilution, in CT measurement of cardiac output, 550
indium-111, experimental studies in pulmonary embolism, 367
infant, newborn, radiographic chest contour and pulmonary air leaks in oligohydramnios-related pulmonary hypoplasia, 6
intrapelvic pressure, and intrarenal backflow, 593
iodinated deoxyuridine, radiation enhancement with, 407
iodipamide, toxicity, and C1-esterase inhibitor, 189
iodoamphetamine, brain scintigraphy, 206
iodolipid hepatography, 617
iohexol, effect on coronary and peripheral blood flow, 292
iopamidol
CT-determined kidney and urine iodine concentration following IV administration, 95
pharmacokinetics and urinary excretion, 494
iopanoic acid
cholecystography, in alcoholic pancreatitis, 629
for oral cholecystography, iopornic acid vs, 621
iopronic acid, for oral cholecystography, iopanoic acid vs, 621
iosulamide, failure to enhance hepatic tumors in rats, 46
iosulamide meglumine, as hepatic contrast agent for CT scanning, time-density evaluation, 90
iothalamate, cytogenetic effects, 178
ioxaglate
calcium-enriched, for coronary arteriography, 66
pharmacokinetics and urinary excretion, 494
iron, effect on tumor and tissue distribution of Ga-67, 53, 386
ischemia
nonocclusive mesenteric, reproducible canine model of, 34
renal, intrarenal backflow and, 593
ischemic heart disease, CT detection of regional myocardial dysfunction during, 329

J

Jacobson, Harold G., 327

K

kidney
angiographic nephrectomy using iodinated contrast agent, 479
CT-determined iodine concentrations following IV administration of urographic contrast agents, 95
incidental thin-walled renal mass in older man, 1
intrarenal backflow during retrograde pyelography with graded intrapelvic pressure, 593
nephrotoxicity of epinephrine-assisted venography, 583
renal cortical necrosis, protective action of cyproterone acetate in rats pretreated with testosterone and vasopressin, 254

renal vasospasm, protective effect of cyproterone acetate following administration of testosterone and vasopressin, 254
streptozotocin-induced tumors in rats, 37
thin-walled mass, 1
kidney failure, acute, renal and hepatic microvascular volumes in, CT determination, 41

L

laryngeal cancer, ossification of laryngeal cartilages, CT evaluation, 11
larynx
high resolution multiplanar CT images, 634
ossification of cartilage, 11
lesion, low-contrast, detectability, 394, 402
letter to the editor, 193
lighting, and detection of low-contrast lesions in radiograph, 402
liposomes, brominated radiopaque, as contrast agent for CT, 381
liver
contrast enhancement with brominated radiopaque liposomes, 381
contrast enhancement for CT scanning, 90
iodolipid hepatography, 617
iron deposition in hemochromatosis, quantitation with dual-energy CT scanning, 375
tumors (rat), failure of iosulamide enhancement, 46
liver transplantation, patency, serial pervenous angiography evaluation, 299
lung
blood flow distribution, timing and magnitude of postural effect on, 561
hypoplasia, *see* pulmonary hypoplasia
nodules, directed vs free search in chest radiographs, 152
lymphography, imaging of abdominal and pelvic lymph nodes, 433

M

mannitol, and disruption of blood–brain barrier, 276
Margulis, Alexander R., 326
mathematical model, for contrast enhancement, 82
metacarpal bone mass, and upper extremity strength, 427
methylglucamine iothalamate, and disruption of blood–brain barrier, 276
metrizamide
CT-determined kidney and urine iodine concentration following IV administration, 95
effect on coronary and peripheral blood flow, 292
myelography, seizures and, prevention with intrathecal dextrose, 282
microangiography
pulmonary artery development in mouse, 529
streptozotocin-induced renal tumors in rats, 37
microspheres, in study of timing and magnitude of postural effect on pulmonary blood flow distribution, 561
mouse, pulmonary artery development, microangiographic study, 529
muscle strength, upper extremity, metacarpal bone mass and, 427
mutagenesis, radiographic contrast material, 183
myelography, metrizamide, seizure prevention with intrathecal dextrose, 282
myocardial contractility, effect of low osmolality contrast materials on, 284
myocardial dysfunction, during ischemia, detection with CT, 329
myocardial function, effect of low osmolality contrast materials on, 284
myocardial infarction
CT appearance of myocardium after, 544
pulmonary blood volume response to afterload stress, 241
uptake of iodinated contrast material in, 61
myocardial ischemia, effect of low osmolality contrast materials on myocardial function in, 284

N

neurotoxicity, water-soluble contrast agents, 271
non-Hodgkin's lymphoma, lymph node imaging in, 436
nuclear magnetic resonance (NMR) imaging, for detection and quantitation of vessel obstruction, 554

O

observer performance, in searching for low-contrast lesions on radiographs, retinal photoreceptors and, 394
observer performance studies, disease prevalence and, 107
oligohydramnios, and pulmonary hypoplasia, 6
os calcis, density, photon scattering measurements of, 20
ossification, laryngeal cartilage, 11

P

parathyroidectomy, bone density after, 604
pelvic lymph nodes, imaging, lymphography vs CT, 433
perceptual mechanisms, and radiologic interpretation, 145
pericardium, influence on opacification-phase effects of angiographic contrast medium on left ventricle, 486
peristalsis
esophageal, requirement for accurate manometric recording, 567
pharyngeal, requirement for accurate manometric recording, 567
pharynx, peristaltic pressure complexes, 567
photon activation therapy, 407
photon scattering, in measurement of calcaneal bone density, 20
pig, intravenous angiocardiography utilizing digital image processing, 216
plasma proteins, effect on blood echogenicity, 29
platelet labeling, indium-111, experimental studies in pulmonary embolism, 367
pleural fluid, patient-specific pretest likelihood of, 310
pneumoconioses, ILO/UC classification, 129
Potter's syndrome, radiographic chest contour and pulmonary air leaks in, 6
prednisolone, and C1-esterase inhibitor levels, 189
Proceedings of 30th Annual Meeting of the Association of University Radiologists, papers presented and abstracts, 430
progress in clinical radiology
brain imaging with emission computed tomography and radiolabeled amines, 206
imaging of abdominal and pelvic lymph nodes, lymphography or CT, 433
prostaglandin E_1, effect on human splanchnic circulation, 249
protein, plasma, *see* plasma protein
pulmonary artery, development, microangiographic study in mouse, 529
pulmonary embolism
diagnostic accuracy of chest radiograph, 539
experimental studies with indium-111-labeled platelets, 367
pulmonary hypoplasia, oligohydramnios-related, *see* Potter's syndrome
pulmonary infarction, experimental (dogs), chest radiography vs CT, 224
pulmonary nodules, directed vs free search in chest radiographs, 152
pulmonary transit time, 362

R

rabbit
atherosclerosis model for investigation of transluminal angioplasty, 470
effect of elevated C1-esterase inhibitor concentration on WBC–endothelium interactions, 189
urography with low osmolality contrast media, 494
radiation, low-level, cancer risk in exposed population, 342
radiation therapy, radiation enhancement with iodinated deoxyuridine, 407
radiogammetry, metacarpal bone, 427
radiography
chest, *see* chest radiography
coronary vessels, 458
vs CT, image aspects, 510
detection of low contrast lesions: influence of ambient and viewbox light on, 402
influence of light adaptation in retinal photoreceptors, 394

preexamination prediction, 310
radionuclide imaging, in estimation of pulmonary blood volume, 233
radionuclides, in measurement of differential GFR in urinary tract obstruction, 417
rat
aversion conditioning, in neurotoxicity evaluation of intrathecal contrast media, 101
glycerol-induced acute renal failure, CT determination of renal and hepatic microvascular volumes in, 41
hepatic tumor, failure of iosulamide enhancement, 46
neurotoxic effects of water-soluble contrast agents on rat hippocampus, 271
renal cortical necrosis, protective effect of cyproterone acetate following testosterone and vasopressin administration, 254
streptozotocin-induced renal tumors in, 37
tumor and tissue distribution of tracers in, Fe^{3+} and, 53, 386
reactive hyperemia
in arterial portography, 164
as indicator of peripheral vasodilatation associated with arterial stenoses, 77
receiver operating characteristic (ROC) analysis
in directed vs free search for pulmonary nodules in chest radiographs, 152
in observer performance studies, 107
receiver operating characteristic (ROC) curves, in radiographic interpretation with or without visual search, 145
red cell aggregation, and blood echogenicity, 29
renal, *see* kidney
retinal photoreceptors, and observer performance in searching radiographs with low-contrast lesions, 39
retrograde pyelography, intrarenal backflow, 593
roentgenologic CPC
cerebral mass in leukemic patient, 525
incidental thin-walled renal mass in older man, 1
rapid development of cardiac failure in 45-year-old man, 201
young woman with Cushing's syndrome, 336

S

Salmonella typhimurium reverse mutation assay, *see* Ames test
sarcoidosis, radiologic classification, 129
scanning electron microscopy (SEM)
"noncalcified" breast particles, 119
uptake of iodinated contrast material by ischemically damaged myocardial cell, 61
secondary ion mass spectrography, breast "noncalcifications," 119
seizures, following metrizamide myelography, prevention with intrathecal dextrose, 282
serioangiography, protective action of cyproterone acetate against renal vasospasm following administration of testosterone and vasopressin in rats, 254
signal detection theory, in directed vs free search for pulmonary nodules in chest radiographs, 152
signal processing, in detecting low-contrast lesions, 394
sister chromatid exchange, in mutagenic evaluation of radiographic contrast media, 183
skeletal demineralization, photon scattering measurements of bone density, 20
sodium diatrizoate
CT-determined kidney and urine iodine concentration following IV administration, 95
pharmacokinetics and urinary excretion, 494
sodium ioxaglate, CT determination of kidney and urine iodine concentration following IV administration, 95
sodium tyropanoate
cholecystography, in alcoholic pancreatitis, 629
radiographic appearance in bowel, 506
splanchnic circulation
effect of prostaglandin E_1 on, 249
in reproducible canine model of nonocclusive mesenteric ischemia, 34
spleen
contrast enhancement with brominated radiopaque liposomes, 381
iodolipid contrast enhancement, 617
spring embolus, modification, 186
stainless steel coil, single-barbed, for venous occlusion, 186
Staphylococcus aureus, in vitro effects of iodinated contrast media on, 305
streptozotocin, and renal tumors in rats, 37
subtraction techniques, localization of iodine-131-labeled goat and primate anticarcinoembryonic antigen antibodies in cancer patients, 350
superior mesenteric artery (SMA) angiography, 164

T

Telepaque, *see* iopanoic acid
temperature, effect on blood echogenicity, 29
testosterone, and vasopressin-induced renal vasospasm, protective effect of cyproterone acetate, 254
thermal gradient, thyroid nodules, 607
thermography, in scintigraphically cold thyroid nodules, 607
thyroid nodules, "cold," thermographic evaluation, 607
tolazoline, arterial portography, 164
trabecular bone, demineralization, photon scattering measurements of bone density, 20
tracers, tumor and tissue distribution of, effect of Fe^{3+} on, 53, 386
transcatheter electrocoagulation (TCEC)
effect of increasing current and decreasing blood flow, 171
of pulmonary artery in dogs, 224
tumor(s)
ferromagnetic embolization, 573
hepatic (rat), failure of iosulamide enhancement, 46
renal (rat), streptozotocin-induced, 37
tracer distribution, false carrier effect, 53, 386

U

ultrasound
B-mode, effect of plasma proteins and temperature on blood echogenicity, 29
for interactive interrogation of adult brain through intact skull, 463
measurement of arterial diameter in pressure and flow relationship study, 265
retrospective sonographic data analysis to predict cause of biliary obstruction, 316
ureteral obstruction, differential GFR in, radionuclide measurement, 417
urographic contrast agents, CT-determined canine kidney and urine iodine concentrations following IV administration, 95
urography, low osmolality contrast media for, 494

V

vascular resistance, contrast media viscosity and, 70
vascular tracing, a videoangiographic algorithm, 156
vasodilatation, peripheral, reactive hyperemia and, 77
vasopressin, and renal vasospasm, protective effect of cyproterone acetate, 254
venous occlusion, single-barbed stainless steel coils for, 186
vessel obstruction, detection and quantitation, NMR imaging, 554
video subtraction, plus pervenous arteriography, in hepatic transplantation, 299
videoangiography, a digital processing algorithm for, 156
viscosity of contrast, *see under* contrast materials
visual search, and radiologic interpretation, 145

W

white blood cell count, effect of C1-esterase inhibitor on, 189

Author Index—Volume 17

A

Abraham, J. L., *see* Newell, J. D.
Abrams, H. L., *see* Kuribayashi, S.
Adachi, S., *see* Sako, M.
Adams, J. T., *see* Burgener, F. A.
Alter, A. J., Kargas, G. A., Kargas, S. A., Cameron, J. R., McDermott, J. C.: The influence of ambient and viewbox light upon visual detection of low-contrast targets in a radiograph, 402
Amberg, J. R., *see* Muhletaler, C. A.
Amplatz, K., *see* Castaneda-Zuniga, W. R.
Anderson, J. H., *see* Starr, F. L.
Archer, C. R., *see* Yeager, V. L.
Arndorfer, R. C., *see* Orlowski, J.
Avant, G. R., *see* Muhletaler, C. A.
Axel, L., *see* Herfkens, R. J.

B

Barmeir, E., *see* Stein, M. G.
Barnhart, J. L., *see* Berk, R. N.
Bates, M., *see* Thompson, W. M.
Bax, N. M. A., Meradji, M., Molenaar, J. C.: Pervenous hepatic transplant angiography using a new low osmolar contrast medium: an experimental study in dogs, 299
Baxter, B., Ravindra, H., Normann, R. A.: Changes in lesion detectability caused by light adaptation in retinal photoreceptors, 394
Beatty, E. C., *see* Leonidas, J. C.
Beckmann, C. F., Levin, D. C., Kubicka, R.: Reactive hyperemia as an indicator of peripheral vasodilatation associated with arterial stenoses, 77
Beinhart, C., Sniderman, K. W., Tamura, S., Sos, T. A.: Biliary pressure measurement: An aid in the management of patients on internal biliary drainage, 356
Benness, G. T., *see* Sage, M. R.
Bergot, C., *see* Laval-Jeantet, A. M.
Berk, R. N., Barnhart, J. L., Nazareno, G. D., Brourman, N. D., Flamm, L.: Does glucagon enhance opacification of the bile ducts during intravenous cholangiography: An experimental study in dogs, 50
Berninger, W., *see* Herfkens, R. J.
Bertario, L., *see* Di Pietro, S.
Bettmann, M. A., *see* Levin, D. C.
Bhan, I., *see* Leonidas, J. C.
Bhargava, V., *see* Slutsky, R.; *also see* Slutsky, R. A.
Biery, D. N., *see* Northington, J. W.
Bigongiari, L. R., Levine, E.: Incidental thin-walled renal mass in an older man, 1
Bogren, H. G., Bursch, J. H., Brennecke, R., Heintzen, P. H.: Intravenous angiocardiography using digital image processing: 1. Experience with axial projections in normal pigs, 216
Boswell, W. D., *see* Quinn, M. F.
Bowen, R. D., *see* Powers, T. A.
Boylan, L., *see* Spataro, R. F.
Brady, T. M., Singer, D., Weiss, C. A., Smolin, M. F., Brinker, R. E., Cho, K. J.: Angiographic nephrectomy using iodinated contrast agent, 479
Brasch, R. C., Fischer, H. W.: Critical review, 422
Brennan, R. E., Rapoport, S., Weinberg, I., Pollack, H. M., Curtis, J. A.: CT-determined canine kidney and urine concentrations following intravenous administration of sodium diatrizoate, metrizamide, iopamidol, and sodium ioxaglate, 95
Brennecke, R., *see* Bogren, H. G.
Brill, A. B., *see* Fairchild, R. G.
Briner, W. H., *see* Sullivan, D. C.
Brinker, R. E., *see* Brady, T. M.
Briscoe, D. E., *see* Parker, T. W.
Brito, A., *see* Goldberg, H. I.
Brody, W. R., *see* Burbank, F. H.
Brourman, N. D., *see* Berk, R. N.
Bryan, R. N., *see* Hershkowitz, N.
Burbank, F. H., Brody, W. R., Hall, A., Keyes, G.: A quantitative in vivo comparison of six contrast agents by digital subtraction angiography, 610
Burgener, F. A., Ciaravino, V., Fischer, H. W.: Failure of iosulamide to enhance hepatic tumors in rats, 46
———, Gutierrez, O. H., Adams, J. T.: Improved arterial portography in portal hypertension during reactive mesenteric hyperemia induced by preceding 2-minute balloon occlusion of the superior mesenteric artery, 164
Burke, G. W., *see* McLoud, T. C.
Bursch, J. H., *see* Bogren, H. G.

C

Cahill, P., *see* Cochran, S. T.
Cameron, J. R., *see* Alter, A. J.
Cann, C. E., *see* Goldberg, H. I.
Carbo, P., *see* Sostman, H. D.
Carey, P. H., *see* Slutsky, R. A.
Caride, V. J., Sostman, H. D., Twickler, J., Zacharis, H., Orphanoudakis, S. C., Jaffe, C. C.: Brominated radiopaque liposomes: Contrast agent for computed tomography of liver and spleen: A preliminary report, 381
Carrington, C. B., *see* McLoud, T. C.
Cassel, D. M., Young, S. W., Turner, R.: Contrast enhancement: Dynamic CT measurements and a mathematical model, 82
Castaneda-Zuniga, W. R., Tadavarthy, S. M., Gonzalez, R., Rysavy, J., Amplatz, K.: Single barbed stainless steel coils for venous occlusion: A simple but useful modification, 186
Castellino, R. A., Marglin, S. I.: Imaging of abdominal and pelvic lymph nodes: Lymphography or computed tomography?, 433
Chen, A., *see* Stern, P. H.
Chen, J. T. T., *see* Rodan, B. A.
Cho, K. J., *see* Brady, T. M.
Ciaravino, V., *see* Burgener, F. A.
Clayton, P. D., *see* Neeley, J. P.
Clendenon, J. L., *see* Fry, F. J.
Cochran, S. T., Norman, A.: Cytogenetic effects of contrast material: Diatrizoate versus iothalamate, 178
Cochran, S. T., Waisman, J., Pagani, J., Cahill, P.: Nephrotoxicity of epinephrine-assisted venography, 583
Coelho, J. C. S., Sigel, B., Spigos, D. G., Tan, W. S., Flanigan, D. P., Schuler, J. J.: Detection of experimental arterial defects by portable and serial biplanar operative arteriography, 259; *also see* Sigel, B.
Corbett, D. B., *see* Smith, H. J.
Costello, D., *see* Slutsky, R.
Cox, C. E., *see* Sullivan, D. C.
Crooks, L. E., *see* Kaufman, L.
Curtis, J. A., *see* Brennan, R. E.

D

Dabbs, J. E., *see* Hagan, P. L.
Davidoff, A., *see* Levin, D. C.
Davis, D. O., *see* Goodenough, D. J.
Dent, J., *see* Orlowski, J.
Dequeker, J., Tendeloo, G. V.: Metacarpal bone mass and upper-extremity strength in 18-year old boys, 427
Deutsch, A. L., Gerber, K. H., Haigler, F. H., Higgins, C. B.: Effects of low osmolality contrast materials on coronary hemodynamics, myocardial function, and coronary sinus osmolality in normal and ischemic states, 284
Deutsch, J. A., *see* Sovak, M.
Di Pietro, S., Piva, L., Viganotti, G., Bertario, L.: Critical evaluation of the use of thermography in the investigation of scintigraphically cold thyroid nodules, 607
DiTomasso, E., *see* Roberts, J. G.
Dines, K. A., *see* Fry, F. J.
Dluhy, R. G., *see* Spirn, P. W.
Dodds, W. J., *see* Orlowski, J.
Dorfman, G., *see* Itzchak, Y.
Dubowitz, B., *see* Stein, M. G.

E

Effmann, E. L.: Development of the right and left pulmonary arteries: A microangiographic study in the mouse, 529
Enzmann, D. R., *see* Marincek, B.
Epler, G. R., *see* McLoud, T. C.
Ettinger, K. V., *see* Fairchild, R. G.
Evill, C. A., *see* Sage, M. R.

F

Fabrikant, J. I.: Estimation of risk of cancer induction in populations exposed to low level radiation, 342
Fairchild, R. G., Brill, A. B., Ettinger, K. V.: Radiation enhancement with iodinated deoxuridine, 407
Federle, M., *see* Goldberg, H. I.
Feig, S. A., *see* Galkin, B. M.
Fischer, H. W., *see* Brasch, R. C.; *also see* Burgener, F. A.; Morris, T. W.; Spataro, R. F.
Flamm, L., *see* Berk, R. N.
Flanigan, D. P., *see* Coelho, J. C. U.
Frasca, P., *see* Galkin, B. M.
Frederick, P. R., *see* Neeley, J. P.
Fry, F. J., Sanghvi, N. T., Morris, R. F., Clendenon, J. L., Dines, K. A., Patrick, J. T., Goss, S. A.: Ultrasonic diagnostic system for interactive interrogation of adult brain through intact skull, 463
Funk, W. G., Lasser, E. C., Lang, J. H., Intaglietta, M., Hamblin, A. E.: Effect of elevated C1-esterase inhibitor concentrations on white blood cell-endothelium interactions: A potential mechanism for steroid protection in contrast material reactions, 189

G

Gaensler, E. A., *see* McLoud, T. C.
Galkin, B. M., Frasca, P., Feig, S. A., Holderness, K. E.: Non-calcified breast particles: a possible new marker of breast cancer, 119
Garcia, J. F., *see* Parker, T. W.
Garnic, J. D., *see* Kuribayashi, S.; *also see* Levin, D. C.
Gerber, K. H., Higgins, C. B.: Comparative effects of ionic and nonionic contrast materials on coronary and peripheral blood flow, 292; *also see* Deutsch, A. L.; Higgins, C. B.; Newell, J. D.; Slutsky, R.
Gerlock, A. J., Jr., *see* Muhletaler, C. A.
Glickman, L. T., *see* Northington, J. W.
Glickman, M., *see* Itzchak, Y.
Godleski, J. J., *see* Spirn, P. W.
Gold, L. H. A., *see* Tubman, D. E.
Goldberg, H. I., Cann, C. E., Moss, A. A., Ohto, M., Brito, A., Federle, M.: Noninvasive quantitation of liver iron in dogs with hemochromatosis using dual-energy CT scanning, 375

Gonzalez, R., *see* Castaneda-Zuniga, W. R.
Goodenough, D. J., Weaver, K. E., Davis, D. O.: Comparative image aspects of radiography and computed tomography, 510
Gordon, R. M., *see* Hagan, P. L.
Goss, S. A., *see* Fry, F. J.
Gottschalk, A., *see* Sostman, H. D.
Green, C. E., *see* Higgins, C. B.
Greenspan, R. H., Ravin, C. E., Polansky, S. M., McCloud, T. C.: Accuracy of the chest radiograph in diagnosis of pulmonary embolism, 539; *also see* Sostman, H. D.
Gustafson, T., Hedner, P., Ingemansson, S.: Prostaglandin E_1 effect on human splanchnic circulation at different dose levels, 249
Gutierrez, O. H., *see* Burgener, F. A.

H

Haagensen, D. E., Jr., *see* Sullivan, D. C.
Hagan, P. L., Halpern, S. E., Stern, P. H., Gordon, R. M., Dabbs, J. E.: The effect of certain variables on the tumor and tissue distribution of tracers V: False carrier effect, II, fe, 53; *also see* Stern, P. H.
Haigler, F. H., *see* Deutsch, A. L.; *also see* Higgins, C. B.
Halber, M. D., *see* Rodan, B. A.
Hall, A., *see* Burbank, F. H.
Halls, J. M., *see* Quinn, M. F.
Halpern, S. E., *see* Hagan, P. L.; *also see* Stern, P. H.
Halvorsen, R., *see* Ralston, M. D., III
Hamblin, A. E., *see* Funk, W. G.
Harrington, D. P., *see* Levin, D. C.
Harris, C., *see* Sullivan, D. C.
Heckman, J. L., *see* Tragardh, B.
Hedlund, L. W., *see* Thompson, W. M.; *also see* Rodan, B. A.
Hedner, P., *see* Gustafson, T.
Heintzen, P. H., *see* Bogren, H. G.
Herfkens, R. J., Axel, L., Lipton, M. J., Napel, S., Berninger, W., Redington, R.: Measurement of cardiac output by computed transmission tomography, 550
Herman, P. G., *see* Spirn, P. W.; *also see* Swensson, R. G.
Hershkowitz, N., Bryan, R. N.: Neurotoxic effects of water-soluble contrast agents on rate hippocampus: Extracellular recordings, 271
Hessel, S. J., *see* Swensson, R. G.
Higgins, C. B., Kelley, M. J., Green, C. E., Newell, J. D., Gerber, K. H., Haigler, F. H.: Physiologic-angiographic correlates of coronary arterial stenoses in resting and intensely vasodilated states, 444; *also see* Deutsch, A. L.; Gerber, K. H.; Mattrey, R. F.; Newell, J. D.; Slutsky, R. A.
Hill, T. C., *see* Holman, B. L.
Hillman, B. J., Lee, S., Nunan, L.: Streptozotocin-induced renal tumors in rats: Microangiographic–histologic correlation, 37
Hillman, B. J., Lee, S. M., Tracey, P., Swindell, W., Long, D. M.: CT determination of renal and hepatic microvascular volumes in experimental acute renal failure, 41
Hirota, S., *see* Sako, M.
Hogan, W. J., *see* Orlowski, J.
Holderness, K. E., *see* Galkin, B. M.
Holman, B. L., Hill, T. C., Magistretti, P. L.: Brain imaging with emission computed tomography and radiolabeled amines, 206

I

Ingemansson, S., *see* Gustafson, T.
Intaglietta, M., *see* Funk, W. G.
Itzchak, Y., Dorfman, G., Glickman, M., Pingoud, E.: Relationship of pressure and flow to arterial diameter, 265

J

Jaffe, C. C., *see* Caride, V. J.
Johnson, A., *see* Silverman, P. M.
Johnson, G. A., *see* Thompson, W. M.
Justin, J., *see* Sigel, B.

K

Kargas, G. A., *see* Alter, A. J.
Kargas, S. A., *see* Alter, A. J.
Katzberg, R. W., *see* Morris, T. W.
Kaufman, L., Crooks, L. E., Sheldon, P. E., Rowan, W., Miller, T.: Evaluation of NMR imaging for detection and quantification of obstructions in vessels, 554
Kelley, M. J., *see* Higgins, C. B.
Kelsey, C. A., *see* Parker, T. W.
Kern, M. A., *see* Morris, T. W.
Keyes, G., *see* Burbank, F. H.
Kim, K. S., Lachman, R.: In vitro effects of iodinated contrast media on the growth of staphylococci, 305
Kocsis, J., Szabo, E., Laszlo, F. A.: Serioangiographic study of protective action of cyproterone acetate against renal vasospasm following testosterone plus vasopressin administration in rats, 254
Korobkin, M., *see* Silverman, P. M.
Kruger, R. A., Nelson, J. A.: Vascular tracing: A new videoangiographic algorithm, 156
Kubicka, R., *see* Beckmann, C. F.
Kundel, H. L.: Directed Attention and Film Reader Performance, 117
Kundel, H. L.: Disease prevalence and radiological decision making, 107
Kuribayashi, S., Garnic, J. D., Abrams, H. L.: Timing and magnitude of the postural effect on the distribution of pulmonary blood flow, 561

L

Lachman, R., *see* Kim, K. S.
Lang, J. H., *see* Funk, W. G.
Lapin, S. A., *see* Quinn, M. F.
Lasser, E. C., *see* Funk, W. G.
Laszlo, F. A., *see* Kocsis, J.
Laval-Jeantet, A. M., Laval-Jeantet, M., Bergot, C.: Effect of particle size on the tissue distribution of iodized emulsified fat following intravenous administration, 617
Laval-Jeantet, M., *see* Laval-Jeantet, A. M.
Lawson, C., *see* Yeager, V. L.
LeVeen, R. F., Wolf, G. L., Villanueva, T. G.: New rabbit atherosclerosis model for the investigation of transluminal angioplasty, 470
LeWinter, M. M., Pavelec, R. S.: Opacification phase effects of angiographic contrast medium on left ventricular size and function: Influence of initial ventricular volume and the pericardium, 486; *also see* Slutsky, R.
Lee, S. M., *see* Hillman, B. J.
Leonidas, J. C., Bhan, I., Beatty, E. C.: Radiographic chest contour and pulmonary air leaks in oligohydramnios-related pulmonary hypoplasia (Potter's syndrome), 6
Leppla, D. C., Snyder, W., Pak, C. Y. C.: Sequential changes in bone density before and after parathyroidectomy in primary hyperparathyroidism, 604
Levin, D. C., Harrington, D. P., Bettmann, M. A., Garnic, J. D., Davidoff, A., Lois, J.: Anatomic variations of the coronary arteries supplying the anterolateral aspect of the left ventricle: possible explanation for the "unexplained" anterior aneurysm, 458; *also see* Beckmann, C. F.
Levin, J., *see* Stein, M. G.
Levine, E., *see* Bigongiari, L. R.
Linehan, J. H., *see* Orlowski, J.
Lipton, M. J., *see* Herfkens, R. J.
Livingston, G. K., *see* Nelson, J. A.
Loeb, P. M., *see* Smith, H. J.
Lois, A., *see* Levin, D. C.
Long, D. M., *see* Hillman, B. J.
Lord, P. F., *see* Sostman, H. D.
Lourie, G. L., Pizzo, S. V., Ravin, C., Putnam, C., Thompson, W. M.: Experimental pulmonary infarction in dogs: A comparison of chest radiography and computed tomography, 224
Lowe, B. A., *see* Powers, T. A.
Lynch, P. R., *see* Tragardh, B.

M

Magistretti, P. L., *see* Holman, B. L.
Marglin, S. I., *see* Castellino, R. A.
Marineck, B., Young, S. W., Enzmann, D. R.: Time–density evaluation of the liver after iosulamide meglumine: A tissue-specific CT contrast agent, 90
Mattrey, R. F., Higgins, C. B.: 1982 memorial award paper: Detection of regional myocardial dysfunction during ischemia with computerized tomography: Documentation and physiologic basis, 329
Mauro, M. A., Stanley, R. J.: Rapid development of cardiac failure in a 45-year-old man, 201
Mayr, W., *see* Newell, J. D.
McDermott, J. C., *see* Alter, A. J.
McLoud, T. C., Epler, G. R., Gaensler, E. A., Burke, G. W., Carrington, C. B.: A radiographic classification for sarcoidosis: Physiologic correlation, 129; *also see* Greenspan, R. H.
Meradji, M., *see* Bax, N. M. A.
Mettler, F. A., Jr., *see* Parker, T. W.
Meyers, W. C., *see* Thompson, W. M.
Miller, T., *see* Kaufman, L.
Molenaar, J. C., *see* Bax, N. M. A.
Moon, R. G., *see* Nelson, J. A.
Morris, R. F., *see* Fry, F. J.
Morris, T. W., Kern, M. A., Katzberg, R. W.: The effects of media viscosity on hemodynamics in selective arteriography, 70
Morris, T. W., Sahler, L. G., Fischer, H. W.: Calcium binding by radiopaque media, 501
Morris, U. L., *see* Quinn, M. F.
Moseley, R. D., *see* Parker, T. W.
Moss, A. A., *see* Goldberg, H. I.
Muhletaler, C. A., Gerlock, A. J., Jr., Amberg, J. R., Avant, G. R.: Radiographic appearance of the nonabsorbed (unconjugated) and conjugated sodium tyropanoate (bilopaque) in the bowel, 506
Murao, S., *see* Sako, M.

N

Napel, S., *see* Herfkens, R. J.
Nazareno, G. D., *see* Berk, R. N.
Neeley, J. P., Ostler, D. B., Frederick, P. R., Clayton, P. D.: Preexamination prediction of radiographic findings, 310
Nelson, J. A., Livingston, G. K., Moon, R. G.: Mutagenic evaluation of radiographic contrast media, 183; *also see* Kruger, R. A.
Neumann, R. D., *see* Sostman, H. D.
Newell, J. D., Higgins, C. B., Abraham, J. L.: Uptake of iodinated contrast material by the ischemically damaged myocardial

cell, 61; *also see* Higgins, C. B. Newell, J. D., Mayr, W., Gerber, K. H., Higgins, C. B.: Computerized tomographic (CT) appearance of the myocardium after reversible and irreversible ischemic injury, 544
Norman, A., *see* Cochran, S. T.
Normann, R. A., *see* Baxter, B.
Northington, J. W., Biery, D. N., Glickman, L. T.: Intrathecal dextrose to prevent seizures after metrizamide myelography in dogs, 282
Nunan, L., *see* Hillman, B. J.

O

Ohto, M., *see* Goldberg, H. I.
Okada, S., *see* Sako, M.
Orlowski, J., Dodds, W. J., Linehan, J. H., Dent, J., Hogan, W. J., Arndorfer, R. C.: Requirements for accurate manometric recording of pharyngeal and esophageal peristaltic pressure waves, 567
Orphanoudakis, S. C., *see* Caride, V. J.
Ostler, D. B., *see* Neeley, J. P.

P

Pagani, J., *see* Cochran, S. T.
Pak, C. Y. C., *see* Leppla, D. C.
Parker, T. W., Kelsey, C. A., Moseley, R. D., Mettler, F. A., Jr., Garcia, J. F., Briscoe, D. E.: Directed versus free search for nodules in chest radiographs, 152
Patrick, J. T., *see* Fry, F. J.
Patton, J. A., *see* Powers, T. A.
Pavelec, R. S., *see* LeWinter, M. M.
Peterson, W. L., *see* Smith, H. J.
Pingoud, E., *see* Itzchak, Y.
Piva, L., *see* Di Pietro, S.
Pizzo, S. V., *see* Lourie, G. L.; *also see* Ralston, M. D., III
Polansky, S. M., *see* Greenspan, R. H.
Pollack, H. M., *see* Brennan, R. E.
Powers, T. A., Stone, W. J., Lowe, B. A., Patton, J. A., Bowen, R. D.: Radionuclide measurement of differential glomerular filtration rate in urinary tract obstruction, 417
Putnam, C., *see* Lourie, G. L.

Q

Quinn, M. F., Ralls, P. W., Boswell, W. D., Lapin, S. A., Morris, U. L., Halls, J. M.: Predicting the cause of common bile duct obstruction with sonographic data: analysis of binary variables, 316

R

Ralls, P. W., *see* Quinn, M. F.
Ralston, M. D., III, Woodfield, S., Halvorsen, R., Pizzo, S. V., Thompson, W. M.: Effect of increasing current and decreasing blood flow for transcatheter electrocoagulation (TCEC), 171
Ranganathan, R., *see* Sovak, M.
Rapoport, S., *see* Brennan, R. E.
Ravin, C. E., *see* Greenspan, R. H.; *also see* Lourie, G. L.
Ravindra, H., *see* Baxter, B.
Redington, R., *see* Herfkens, R. J.
Roberts, J. G., DiTomasso, E., Webber, C. E.: Photon scattering measurements of calcaneal bone density: Results of in vivo cross-sectional studies, 20
Rodan, B. A., Chen, J. T. T., Halber, M. D., Hedlund, L.: Chest roentgenographic evaluation of the severity of aortic stenosis, 453
Roffman, M., *see* Stein, M. G.
Rose, C. P., Stolberg, H. O.: The limited utility of the plain chest film in the assessment of left ventricular structure and function, 139
Rowan, W., *see* Kaufman, L.
Rysavy, J., *see* Castaneda-Zuniga, W. R.

S

Sage, M. R., Wilcox, J., Evill, C. A., Benness, G. T.: Comparison and evaluation of osmotic blood–brain barrier disruption following intracarotid mannitol and methylglucamine iothalamate, 276
Sahler, L. G., *see* Morris, T. W.
Sako, M., Yokogawa, S., Sakomoto, K., Adachi, S., Hirota, S., Okada, S., Murao, S.: Transcatheter microembolization with ferropolysaccharide: A new approach to ferromagnetic embolization of tumors: Preliminary report, 573
Sakomoto, K., *see* Sako, M.
Samphilipo, M. A., *see* Starr, F. L.
Sanghvi, N. T., *see* Fry, F. J.
Schade, S. G., *see* Sigel, B.
Schuler, J. J., *see* Coelho, J. C. U.
Seltzer, S. E., *see* Spirn, P. W.
Shaw, M., *see* Thompson, W. M.
Sheldon, P. E., *see* Kaufman, L.
Sigel, B., Coelho, J. C. U., Schade, S. G., Justin, J., Spigos, D. G.: Effect of plasma proteins and temperature on echogenicity of blood, 29; *also see* Coelho, J. C. U.
Silva, J. S., *see* Sullivan, D. C.
Silverman, P. M., Johnson, A., Korobkin, M., Thompson, W. M.: High-resolution multiplanar CT images of the larynx, 634
Singer, D., *see* Brady, T. M.
Slutsky, R.: Pulmonary blood volume: the response to afterload in normal subjects and patients with previous myocardial infarction, 241
Slutsky, R., Higgins, C., Bhargava, V., Gerber, K., Tubau, J., Costello, D., Le Winter, M.: Pulmonary blood volume: Correlation of equilibrium radionuclide and dye-dilution estimates, 233
Slutsky, R. A., Carey, P. H., Bhargava, V., Higgins, C. B.: A comparison of peak-to-peak pulmonary transit time determined by digital intravenous angiography with standard dye-dilution techniques in anesthetized dogs, 362
Smith, H. J., Corbett, D. B., Loeb, P. M., Peterson, W. L.: Oral cholecystography in the early phase of acùte alcoholic pancreatitis: a prospective, randomized comparison of telepaque and bilopaque, 629
Smolin, M. F., *see* Brady, T. M.
Sniderman, K. W., *see* Beinhart, C.
Snyder, W., *see* Leppla, D. C.
Sos, T. A., *see* Beinhart, C.
Sostman, H. D., Neumann, R. D., Zoghbi, S. S., Lord, P. F., Thakur, M. L., Carbo, P., Greenspan, R. H., Gottschalk, A.: Experimental studies with ^{111}indium-labeled platelets in pulmonary embolism, 367; *also see* Caride, V. J. Sovak, M., Deutsch, J. A., Ranganathan, R.: Evaluation of intrathecal contrast media by aversion conditioning in rats, 101
Spataro, R. F., Fischer, H. W., Boylan, L.: Urography with low-osmolality contrast media: Comparative urinary excretion of iopamidol, hexabrix, and diatrizoate, 494
Spigos, D. G., *see* Coelho, J. C. U.; *also see* Sigel, B.
Spirn, P. W., Godleski, J. J., Dluhy, R. G., Seltzer, S. E., Herman, P. G.: Young woman with Cushing's syndrome, 336
Stanley, R. J., *see* Mauro, M. A.
Starr, F. L., Samphilipo, M. A., White, R. I., Anderson, J. H.: A reproducible canine model of nonocclusive mesenteric ischemia, 34
Stein, M. G., Barmeir, E., Levin, J., Dubowitz, B., Roffman, M.: The media acetabular wall: Normal measurements in different population groups, 476
Stern, P. H., Halpern, S. E., Hagan, P. L., Chen, A.: The effect of certain variables on the tumor and tissue distribution of tracers: VI. False-carrier effect, part III, fe, 386; *also see* Hagan, P. L.
Stolberg, H. O., *see* Rose, C. P.
Stone, W. J., *see* Powers, T. A.
Sullivan, D. C., Silva, J. S., Cox, C. E., Haagensen, D. E., Jr., Harris, C., Briner, W. H., Wells, S. A., Jr.: Localization of I-131-labeled goat and primate anti-carcinoembryonic antigen (CEA): antibodies in patients with cancer, 350
Swensson, R. G., Hessel, S. J., Herman, P. G.: Radiographic interpretation with and without search: Visual search aids the recognition of chest pathology, 145
Swindell, W., *see* Hillman, B. J.
Szabo, E., *see* Kocsis, J.

T

Tadavarthy, S. M., *see* Castaneda-Zuniga, W. R.
Talner, L. B., *see* Thomsen, H. S.
Tamura, S., *see* Beinhart, C.
Tan, W. S., *see* Coelho, J. C. U.
Tendeloo, G. V., *see* Dequeker, J.
Thakur, M. L., *see* Sostman, H. D.
Thompson, W. M., Meyers, W. C., Shaw, M., Bates, M., Johnson, G. A., Hedlund, L. W.: Gallbladder density and iodine concentration in humans during oral cholecystography: A comparison of iopanoic acid and iopronic acid, 621; *also see* Lourie, G. L.; Ralston, M. D., III; Silverman, P. M.
Thomsen, H. S., Talner, L. B., Higgins, C. B.: Intrarenal backflow during retrograde pyelography with graded intrapelvic pressure: A radiologic study, 593
Tracey, P., *see* Hillman, B. J.
Tragardh, B., Heckman, J. L., Lynch, P. R.: Coronary arteriography in canines with calcium-enriched ioxaglate and diatrizoate, 66
Tubau, J. *see* Slutsky, R.
Tubman, D. E., Yock, D. H., Jr., Gold, L. H. A.: Cerebral mass in a leukemic patient, 525
Turner, R., *see* Cassel, D. M.
Twickler, J., *see* Caride, V. J.

V

Viganotti, G., *see* Di Pietro, S.
Villaneuva, T. G., *see* LeVeen, R. F.

W

Waisman, J., *see* Cochran, S. T.
Weaver, K. E., *see* Goodenough, D. J.
Webber, C. E., *see* Roberts, J. G.
Weinberg, I., *see* Brennan, R. E.
Weiss, C. A., *see* Brady, T. M.
Wells, S. A., Jr., *see* Sullivan, D. C.
White, R. I., *see* Starr, F. L.
Wilcox, J., *see* Sage, M. R.
Wolf, G. L., *see* LeVeen, R. F.
Woodfield, S., *see* Ralston, M. D., III

Y

Yeager, V. L., Lawson, C., Archer, C. R.: Ossification of the laryngeal cartilages as it relates to computed tomography, 11
Yock, D. H., Jr., *see* Tubman, D. E.
Yokogawa, S., *see* Sako, M.
Young, S. W., *see* Cassel, D. M.; *also see* Marincek, B.

Z

Zacharis, H., *see* Caride, V. J.
Zoghbi, S. S., *see* Sostman, H. D.